

# Appendix C

## Program Assessment Rating Tool (PART) FY 2004/2005

PART is a tool developed and used by OMB to assess and improve performance of federal programs. In addition to assessing programs, the PART process identifies potential performance metrics, which can help to better quantify environmental results. The following is a table of measures identified in PART assessments conducted in FY 2004 and FY 2005.\*

PROGRAM	TERM	MEASURE TYPE	MEASURE	EXPLANATION
Acid Rain	Long-term	Outcome	Percent change in number of chronically acidic waterbodies in acid-sensitive regions.	Progress is measured as percent reduction from 2001 baseline number of waterbodies. Acid-sensitive regions include the Northeast, Mid-Atlantic, and Upper Midwest.
Acid Rain	Long-term	Output	Sulfur dioxide emissions from electric power generation sources.	Progress is measured as tons reduced from 1980 baseline of 17.4 million tons.
Acid Rain	Annual	Output	Tons of sulfur dioxide emitted from electric power generation sources.	Progress is measured as tons reduced from 1980 baseline of 17.4 million tons.
Acid Rain	Annual	Outcome	Percent change in average nitrogen deposition and mean ambient nitrate concentrations.	Data is mainly from Eastern U.S. and is reported as 3-year averages due to varying meteorological conditions and other factors. Progress is measured as percent reduction from 1990 baseline.
Acid Rain	Annual	Outcome	Percent change in average sulfur deposition and mean ambient sulfate concentrations.	Data is mainly from Eastern U.S. and is reported as 3-year averages due to varying meteorological conditions and other factors. Progress is measured as percent reduction from 1990 baseline.
Acid Rain	Long-term	Efficiency (Outcome)	Measure Under Development	
Air Toxics	Long-term Measure		Long-term Measure: Percent of U.S. population free from unacceptable risks of cancer and other significant health problems from air toxic emissions	
Air Toxics	Annual Measure		Annual Measure: Percentage reduction in nationwide air toxics emissions from stationary and mobile sources combined (actual data available later in 2003).	

\* Source: Office of Management and Budget (OMB)

PROGRAM	TERM	MEASURE TYPE	MEASURE	EXPLANATION
Air Toxics			Efficiency Measure: Measure Under Development	
Brownfields	Long-term	Outcome	Brownfields Properties Assessed	This measure tracks the number of brownfields properties assessed by program grant recipients. Grantees report on this measure in quarterly reports.
Brownfields	Annual	Outcome	Assessed Properties Redeveloped (new measure—targets under development)	This measure shows if assessments are leading to redevelopment.
Brownfields	Long-term	Output	Dollars leveraged at Brownfields properties	This measure tracks the amount of cleanup/redevelopment funding leveraged by program grant recipients at brownfields properties. Grantees report on this measure in quarterly reports.
Brownfields	Annual	Efficiency (Outcome)	Measure Under Development	Sites Redeveloped per million dollars.
Civil Enforcement	Long-term	Outcome	Pounds of pollutants reduced (characterized as to risk and exposure) (revised measure and targets under development).	For fiscal years 2000 through 2002 over 5.23 billion pounds of pollution was reduced (1.63 billion pounds) and soil treated or removed (3.60 billion pounds) as a result of concluded enforcement cases.
Civil Enforcement	Long-term Measure		Long-term Measure: Measure Under Development	
Civil Enforcement	Annual	Outcome	Millions of pounds of pollutants reduced through concluded enforcement actions	
Civil Enforcement	Annual Measure		Annual Measure: Millions of pounds of pollutants reduced by eliminating discharges through enforcement activities	
Civil Enforcement			Efficiency Measure: Dollars negotiated per workyear from polluters for Supplemental Environmental Projects that restore, protect or improve the environment	
Civil Enforcement	Annual	Efficiency	Pounds of pollutants (in thousands) reduced, treated or removed per workyear (targets under development).	
Clean Water State Revolving Fund	Long-term	Outcome	Percent of stream miles/acres of water identified in 2000 as not attaining standards that fully attain water quality standards.	2002 Baseline: 0% of the 255,408 miles and 6,803,419 acres of waters on 1998/2000 lists of impaired waters developed by States and approved by EPA under section 303(d) of the Clean Water Act.

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Clean Water State Revolving Fund	Long-term	Outcome	Average number per year of waterborne disease outbreaks attributable to swimming in, or other recreational contact with, the ocean, rivers, lakes, or streams.	2002 Baseline: average of 9 outbreaks per year reported by CDC.
Clean Water State Revolving Fund	Long-term	Outcome	Percent of water miles/acres with fish consumption advisory removed.	2002 Baseline: 485,205 river miles and 11,277,276 lake acres with fish consumption advisory.
Clean Water State Revolving Fund	Annual	Outcome	Percent of all major Publicly Operated Treatment Works (POTWs) that comply with their permitted wastewater discharge standards	2002 Baseline: 97.6% of major POTWs. Measure includes discharge violations only (excludes administrative violations).
Clean Water State Revolving Fund	Long-term	Efficiency (Outcome)	Measure Under Development	
Criminal Enforcement	Long-term	Outcome	Millions of pounds of pollutants, reduced, eliminated, or curtailed (to be further developed as to risk and exposure)	
Criminal Enforcement	Annual	Intermediate Outcome	Reduction from recidivism baseline (baseline and targets under development)	
Criminal Enforcement	Long-term	Efficiency	Pounds of pollutants reduced per workyear (targets under development)	
Drinking Water State Revolving Fund	Long-term	Outcome	Percent population served by community water systems in compliance with health-based drinking water standards.	
Drinking Water State Revolving Fund	Annual	Outcome	Percent community water systems in compliance with drinking water standards.	This measure tracks the compliance rate of the nation's 53,000 community water systems with drinking water standards. If systems are in compliance, the population's exposure to contaminants is reduced.
Drinking Water State Revolving Fund	Long-term	Efficiency (Outcome)	Measure Under Development	
Drinking Water State Revolving Fund	Long-term	Output	DWSRF Long-term revolving level (\$ in billions/yr)	Indicates the amount of funds dispersed from the DWSRF program. The target is an average level of \$1.2 billion/yr for the period 2018-2028.

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Ecological Research	Long-term	Outcome	The states and tribes use a common monitoring design and appropriate ecological indicators to determine the status and trends of ecological resources	
Ecological Research	Annual	Output	Measure Under Development	
Environmental Education	Long-term	Outcome	Measures not needed due to zero funding.	
Existing Chemicals	Long-term	Outcome	Percent cumulative reduction of chronic human health risk from environmental releases of industrial chemicals in commerce since 2001.	Target is 2008. Goal is 7%. Baseline is 2001 levels, as measured by EPA's Risk Screening Environmental Indicators (RSEI) model. 1999 and 2000 are being investigated as anomalies and are not believed to be reflective of future performance.
Existing Chemicals	Long-term Measure		Long-term Measure: Measure Under Development	
Existing Chemicals	Annual Measure		Annual Measure: Percent reduction in current year production-adjusted Risk Screening Environmental Indicators (RSEI) chemical risk based index (New measure)	
Existing Chemicals	Long-term	Output	Percentage of high-priority chemicals for which EPA has developed short-term exposure limits.	Target is 2008. Goal is 85%. Baselines under development. From the chemicals identified as priority by the Acute Exposure Guideline Levels (AEGLE) Program and representing a wide range of acutely toxic substances.
Existing Chemicals			Efficiency Measure: Measure Under Development	
Existing Chemicals	Annual	Outcome	Reduction in the current year production-adjusted risk-based score of releases and transfers of toxic chemicals.	Baseline is prior year's data (for 2000, baseline is 1999). Currently, 1999 data is under review. Chemicals are those reported to the Toxic Release Inventory (TRI) from the level of previous year (reported two years after current year due to TRI data lag).
Existing Chemicals	Annual	Outcome	Reduction in the current year production-adjusted hazard-based score of releases and transfers of toxic chemicals.	Baseline is prior year's data. For 2000, the baseline is 1999. Chemicals are those reported to TRI from the level calculated for the previous year (reported two years after current year due to TRI data lag). EPA uses RSEI model to determine hazard.

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Existing Chemicals	Annual	Output	Cumulative number of chemicals with proposed, interim, and/or final values for Acute Exposure Guideline Levels (AEGL).	The numbers represented are cumulative. Supports AEGL Long-Term Goal.
Existing Chemicals	Long-term	Efficiency (Outcome)		A companion efficiency measure for RSEI is under development for possible inclusion in the FY 2005-2008 Strategic Plan based on the concept of increasing the efficiency of achieving RSEI risk reductions through improved targeting of program activities.
Existing Chemicals	Annual	Efficiency (Output)	Cost and time to establish AEGL value per chemical (under development).	Analyses currently being conducted into feasibility of demonstrating how program has found ways to make the process more efficient. Support AEGL Long-Term Goal.
Leaking Underground Storage Tanks	Long-term	Outcome	Measure Under Development	Health benefit of underground storage tank clean up.
Leaking Underground Storage Tanks	Long-term Measure		Long-term Measure: Measure Under Development	
Leaking Underground Storage Tanks	Annual	Outcome	Number of Cleanups Completed	This measure is the number of cleanups completed that have met state-set risk-based health and/or environmental standards that are protective of human health and the environment.
Leaking Underground Storage Tanks	Annual Measure		Annual Measure: Leaking underground storage tank cleanups completed New annual outcome measures being developed	
Leaking Underground Storage Tanks			Efficiency Measure: Measure Under Development	
Leaking Underground Storage Tanks	Annual	Efficiency (Outcome)	Measure Under Development	Benefit per unit cost of clean up.
New Chemicals	Long-term	Outcome	Risks avoided to workers and the general population from prevention of the entry of new chemicals into commerce (under development).	Will show releases and exposures (to worker and general population) that otherwise would have occurred had the program not been in place, which would have threatened human health and environmental quality.
New Chemicals	Long-term Measure		Long-term Measure: Reduction of hazardous substances from products and processes in millions of pounds (Targets under development)	

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New Chemicals			Annual Performance Goal: Annual quantity of hazardous substances eliminated through the Green Chemistry Challenge Awards Program from 1996 levels, in millions of pounds	
New Chemicals	Long-term	Outcome	Cumulative reduction of releases of industrial hazardous chemicals to the environment and in industrial wastes in millions of pounds.	Baseline is 0 in 1996.
New Chemicals			Efficiency Measure: Measure Under Development	
New Chemicals	Long-term	Outcome	Cumulative conservation of millions of BTUs of energy and gallons of water.	Timeline is 2008. Goal is 30/650/160. Baseline is 0 in 1996. NA denotes that BTUs of energy cannot be targeted until 2007.
New Chemicals	Long-term	Efficiency (Output)	Review costs per chemical (for EPA and industry) (under development).	Timeline is 2008. Baseline is 2002. Goal to be determined from Phase II of OPPT PMN Program Evaluation, completed in September 2003.
New Chemicals	Annual	Output	Number of TSCA 8(e) notices received for PMN-reviewed chemicals.	These notices are submitted to EPA by industry identifying potential risks associated with PMN-reviewed chemicals (chemicals for which zero risk was previously determined). A proxy measure is to show zero risk.
New Chemicals	Annual	Outcome	Cumulative reduction of industrial hazardous chemical releases to the environment and hazardous chemicals in industrial wastes, in millions of pounds.	
New Chemicals	Annual	Efficiency (Output)	Annual number of pre-screened new chemical alternatives generated through industry's participation during the earliest stages of research and development.	
New Chemicals	Annual	Outcome	Annual cumulative quantity of water conserved (millions of gallons).	
Nonpoint Source Grants	Long-term	Outcome	Number of primarily nonpoint source impaired waters that will partially or fully attain designated uses	Will report progress every reporting cycle (currently every 2 years).
Nonpoint Source Grants	Long-term Measure		Long-term Measure: Current measure achieved New measures under development	
Nonpoint Source Grants	Annual	Outcome	Annual reduction in amount of sediment loadings (tons)	This measure tracks the amount (in pounds) of sediment loading reduced through CWA section 319 funded projects.

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Nonpoint Source Grants	Annual Measure		Annual Measure: Measures Under Development	
Nonpoint Source Grants			Efficiency Measure: Measures Under Development	
Nonpoint Source Grants	Annual	Outcome	Annual reduction of total nitrogen loadings in thousands of pounds (targets under development)	This measure tracks the amount (in pounds) of nitrogen loading reduced through CWA section 319 funded projects.
Nonpoint Source Grants	Annual	Outcome	Annual reduction of total phosphorus loadings in thousands of pounds (targets under development)	This measure tracks the amount (in pounds) of phosphorus loading reduced through CWA section 319 funded projects.
Particulate Matter Research	Long-term	Outcome	Measure Under Development	
Particulate Matter Research	Annual	Outcome	Measure Under Development	
Particulate Matter Research	Long-term	Efficiency (Outcome)	Measure Under Development	
Pesticide Registration	Long-term	Outcome	Percent reduction in terrestrial and aquatic wildlife mortality incidents involving pesticides	The baseline is 80 reported bird incidents involving 1150 mortalities and 65 reported fish incidents involving 632,000 mortalities averaged for the period 1994-1996. The data is available annually from Ecological Incident Information System (EIIIS).
Pesticide Registration	Long-term Measure		Long-term Measure: Measure Under Development	
Pesticide Registration	Annual	Output	Percentage of agricultural acres treated with reduced-risk pesticides	Indirectly measures the increase in registration of pesticides that are lower risk than conventional pesticides by measuring the use, availability, and effectiveness (demand) for them.
Pesticide Registration	Annual Measure		Annual Measure: Number of new reduced risk active ingredients registered	
Pesticide Registration			Long-term Efficiency Measure: Measure Under Development	
Pesticide Registration	Long-term	Efficiency (Output)	Percent reduction in review time for registration of conventional pesticides.	Measures reduction in decision-making time for new active ingredient registration actions. From 2002 baseline.

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Pesticide Reregistration	Long-term Measure		Long-term Measure: Measure Under Development	
Pesticide Reregistration	Annual Measure		Annual Measure: Percent of Reregistration Eligibility Decisions (REDs) completed A RED document summarizes the reregistration conclusions and outlines any risk reduction measures necessary for the pesticide to continue to be registered in the U.S.	
Pesticide Reregistration			Efficiency Measure: Measure Under Development	
Pollution Prevention and New Technologies	Long-term	Outcome		
Pollution Prevention and New Technologies	Annual	Output		
Pollution Prevention and New Technologies	Long-term	Efficiency (Output)		
RCRA Corrective Action	Long-term	Outcome	Current human exposures under control (baseline and target under development)	Goal measures the percentage of sites at which stabilization and/or final cleanup efforts have been sufficient to ensure that people are not being exposed to unacceptable levels of contamination that could be reasonably expected under current conditions.
RCRA Corrective Action	Annual	Outcome	Current human exposures under control (baseline and targets under development)	New 2006-2008 targets are needed to support revised baseline for associated long-term measure.
RCRA Corrective Action	Long-term	Efficiency (Outcome)	Measure Under Development	
RCRA Corrective Action	Long-term	Outcome	Migration of contaminated groundwater under control (baseline and targets under development)	Goal measures the percentage of sites at which stabilization and/or final cleanup efforts have been sufficient to ensure plumes of contaminated groundwater are not expanding above levels of concern or are not adversely affecting surface water bodies.
RCRA Corrective Action	Annual	Outcome	Migration of contaminated groundwater under control (baseline and targets under development)	New 2006-2008 targets are needed to support revised baseline for associated long-term measure.



PROGRAM	TERM	MEASURE TYPE	MEASURE	EXPLANATION
Superfund Removal	Long-term Measure		Long-term Measure: Measure Under Development	
Superfund Removal	Annual Measure		Annual Measure: Number of removals completed	
Superfund Removal			Efficiency Measure: Measure Under Development	
Tribal General Assistance			Long term Measure: Measure Under Development	
Tribal General Assistance	Annual	Output	% of tribes with delegated and non-delegated programs. (new targets under development)	Number of tribe-as-state (TAS) approvals for program authorization delegation or approval, implementation or direct implementation tribal cooperative agreements (DITCAs).
Tribal General Assistance	Annual	Output	% of tribes with EPA-approved multimedia workplans.	Number of Tribes with MOUs, EAs, PPGs, DITCAs or grant eligible TAS approvals.
Tribal General Assistance	Annual Measure		Annual Measure: Percent of tribes with delegated and non-delegated environmental programs (New measure, targets under development)	
Tribal General Assistance			Efficiency Measure: Measure Under Development	
Tribal General Assistance	Annual	Output	% of tribes with EPA-reviewed monitoring and assessment occurring (targets under development).	Number of Tribes with EPA-approved QAPPs.
Tribal General Assistance	Long-term	Outcome	% decrease in the number of households in Indian Country with inadequate wastewater sanitation systems.	
Tribal General Assistance	Long-term	Outcome	% decrease in the number of households on tribal lands lacking access to safe drinking water.	
Tribal General Assistance	Long-term	Outcome	Show at least a 10 percent improvement for each of four parameters—total nitrogen, total phosphorus, dissolved oxygen, and fecal coliforms—at not fewer than 90 monitoring stations in tribal waters for which baseline data are available.	
Tribal General Assistance	Long-term	Efficiency (Outcome)	Number of environmental programs implemented in Indian Country per million dollars (targets under development).	